

Title (en)
Gas sensor

Title (de)
Gassensor

Title (fr)
Capteur de gaz

Publication
EP 0987547 A3 20060405 (EN)

Application
EP 99118554 A 19990920

Priority
JP 26533798 A 19980918

Abstract (en)
[origin: EP0987547A2] A gas sensor comprises a first pump cell 6 including first internal and external electrodes 10 and 11 so formed as to face from inside and outside a first flow passage 2, respectively, for pumping oxygen out from, and into, the first flow passage, and a second pump cell 8 including second internal and external electrodes 14 and 15 so formed as to face from inside and outside a second flow passage 4 communicating with the first flow passage through a diffusion resistance, wherein a measurement gas component undergoes reaction inside the second flow passage 4 and a current corresponding to the concentration of the measurement gas component flows between the electrodes 14 and 15 through the oxygen ion conductor. At least a part of the first internal electrode 10 contains a platinum group element and Cu.

IPC 8 full level
G01N 27/417 (2006.01); **G01N 27/419** (2006.01)

CPC (source: EP US)
G01N 27/417 (2013.01 - EP US); **G01N 27/419** (2013.01 - EP US)

Citation (search report)

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- [A] EP 0831322 A2 19980325 - NGK INSULATORS LTD [JP]
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EP1324027A3; US7351318B2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 0987547 A2 20000322; EP 0987547 A3 20060405; US 2002011409 A1 20020131

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